

PATENT
Attorney Docket No. P06269US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: ROBERT ALVIN MOHROR

For: INBRED MAIZE LINE PH48V

the specification of which is being transmitted herewith.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Attached are copies of PTO 1449A and PTO-892 listing the relevant art known to the applicant herein. The Examiner is requested to consider the references and make them of record. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. 09/758,802, filed on January 11, 2001. Each of the references listed on Forms PTO 1449A and PTO-892 were submitted to, and/or cited by, the Patent Office in the prior application(s) and, therefore, are not required to be provided in this application.

Applicant discloses herewith patents, publications or other information, of which he is aware that he believes may be material to the examination of this application, and in respect of which, there may be a duty to disclose. Legible copies of all items listed in Forms PTO/SB/08A

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CERTIFICATE OF MAILING BY EXPRESS MAIL

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Michelle L. Woods
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and 08B (formerly Form PTO-1449) accompany this information statement, except those identified above.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

Respectfully submitted,



LILA A. T. AKRAD, Reg. No. 52,550
McKEE, VOORHEES & SEASE, P.L.C.
801 Grand Avenue, Suite 3200
Des Moines, Iowa 50309-2721
Phone No. (515) 288-3667
Fax No. (515) 288-1338
CUSTOMER NO: 27142

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Attorneys of Record

| Form PTO 1449-A | | | | ATTY. DOCKET NO. 1203 | Application No. 09/490,666 | | |
|---|--|--|------|---------------------------------|-------------------------------|------------|-------------|
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant Robert A. Mohror | | | |
| | | | | Filing Date January 24, 2000 | Group Art Unit | | |
| U.S. & FOREIGN PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLA SS | FILING DATE |
| | | 1 6 0 3 9 0 | | EP | | | 11/6/85 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| A1 | | Conger, B.V., et al. (1987) "Somatic Embryogenesis From Cultured Leaf Segments of <i>Zea Mays</i> ", <u>Plant Cell Reports</u> , 6:345-347. | | | | | |
| A2 | | Duncan, D.R., et al. (1985) "The Production of Callus Capable of Plant Regeneration From Immature Embryos of Numerous <i>Zea Mays</i> Genotypes", <u>Planta</u> , 165:322-332. | | | | | |
| A3 | | Edallo, et al. (1981) "Chromosomal Variation and Frequency of Spontaneous Mutation Associated with <i>In Vitro</i> Culture and Plant Regeneration in Maize", <u>Maydica</u> , XXVI: 39-56. | | | | | |
| A4 | | Green, et al., (1975) "Plant Regeneration From Tissue Cultures of Maize", <u>Crop Science</u> , Vol. 15, pp. 417-421. | | | | | |
| A5 | | Green, C.E., et al. (1982) "Plant Regeneration in Tissue Cultures of Maize" <u>Maize for Biological Research</u> , pp. 367-372. | | | | | |
| A6 | | Hallauer, A.R. et al. (1988) "Corn Breeding" <u>Corn and Corn Improvement</u> , No. 18, pp. 463-481. | | | | | |
| A7 | | Meghji, M.R., et al. (1984). "Inbreeding Depression, Inbred & Hybrid Grain Yields, and Other Traits of Maize Genotypes Representing Three Eras", <u>Crop Science</u> , Vol. 24, pp. 545-549. | | | | | |
| A8 | | Phillips, et al. (1988) "Cell/Tissue Culture and In Vitro Manipulation", <u>Corn & Corn Improvement</u> , 3rd Ed., ASA Publication, No. 18, pp. 345-387. | | | | | |
| A9 | | Poehlman et al., (1995) <u>Breeding Field Crop</u> , 4th Ed., Iowa State University Press, Ames, IA., pp. 132-155 and 321-344. | | | | | |
| A10 | | Rao, K.V., et al., (1986)"Somatic Embryogenesis in Glume Callus Cultures", <u>Maize Genetics Cooperative Newsletter</u> , No. 60 , pp. 64-65 | | | | | |
| A11 | | Sass, John F. (1977) "Morphology", <u>Corn & Corn Improvement</u> , ASA Publication. Madison, Wisconsin, pp. 89-109. | | | | | |
| A12 | | Songstad, D.D. et al. (1988) "Effect of ACC (1-aminocyclopropane-1-carboxylic acid), Silver Nitrate & Norbonadiene on Plant Regeneration From Maize Callus Cultures", <u>Plant Cell Reports</u> , 7:262-265. | | | | | |
| A13 | | Tomes, et al. (1985) "The Effect of Parental Genotype on Initiation of Embryogenic Callus From Elite Maize (<i>Zea Mays L.</i>) Germplasm", <u>Theor. Appl. Genet.</u> , Vol. 70, p. 505-509. | | | | | |
| A14 | | Troyer, et al. (1985) "Selection for Early Flowering in Corn: 10 Late Synthetics", <u>Crop Science</u> , Vol. 25, pp. 695-697. | | | | | |
| A15 | | Umbeck, et al. (1983) "Reversion of Male-Sterile T-Cytoplasm Maize to Male Fertility in Tissue Culture", <u>Crop Science</u> , Vol. 23, pp. 584-588. | | | | | |
| A16 | | Wright, Harold (1980) "Commercial Hybrid Seed Production", <u>Hybridization of Crop Plants</u> , Ch. 8: 161-176. | | | | | |
| A17 | | Wych, Robert D. (1988) "Production of Hybrid Seed", <u>Corn and Corn Improvement</u> , Ch. 9, pp. 565-607. | | | | | |
| A18 | | Lee, Michael (1994) "Inbred Lines of Maize and Their Molecular Markers", <u>The Maize Handbook</u> Ch. 65:423-432 | | | | | |
| A19 | | Boppenmaier, et al., "Comparisons Among Strains of Inbreds for RFLPs", <u>Maize Genetics Cooperative Newsletter</u> , 65:1991, pg. 90 | | | | | |
| A20 | | Smith, J.S.C., et al., "The Identification of Female Sels in Hybrid Maize: A Comparison Using Electrophoresis and Morphology", <u>Seed Science and Technology</u> 14, 1-8 | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
Include a copy of this form with next communication to applicant.

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Notice of References Cited

Application No.

09/490,666

Applicant(s)

Mohr

Examiner

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Page 1 of 1**U.S. PATENT DOCUMENTS**

| * | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS |
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| A | | | | | |
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

| * | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) | DATE |
|---|--|------|
| U | Fehr, W.-R. pp. 261-286 In: <u>Principles of Cultivar Development</u> , Vol. 1, Macmillan Publishing Co.: New York | 1988 |
| V | | |
| W | | |
| X | | |

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

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| Notice of References Cited | | | Application N. | Applicant(s) | | |
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| | | | 09/490,666 | Mohr | | |
| | | | Examiner | FOX | | |
| | | | Group Art Unit | 1638 | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
| * | DOCUMENT NO. | DATE | NAME | | CLASS | SUBCLASS |
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| NON-PATENT DOCUMENTS | | | | | | |
| * | DOCUMENT (Including Author, Title, Source, and Pertinent Pages) | | | | DATE | |
| † U | 'Essentially Derived Variety' - Definition on UPOV website, www.ufov.org | | | | 2003 | |
| † V | UPOV publication No. 644(E), section 1, pages 7-11 | | | | 1991 | |
| W | | | | | | |
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(See Manual of Patent Examining Procedure, Section 707.05(a).)

Part of Paper No. 16

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|-----------------------------------|---------------------------------------|--|
| Notice of References Cited | Application/Control No. 09/490,666 | Applicant(s)/Patent Under Reexamination MOHROR, ROBERT ALVIN |
| | Examiner David T. Fox | Art Unit 1638 |

U.S. PATENT DOCUMENTS

| * | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|--|-----------------|------|----------------|
| A | US- | | | |
| B | US- | | | |
| C | US- | | | |
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FOREIGN PATENT DOCUMENTS

| * | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
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NON-PATENT DOCUMENTS

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|---|---|---|
| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
| * | U | Openshaw et al. pages 41-43 In: Proc. Symp. Anal. Molec. Data, August 1994, Crop Sci. Soc. Amer.: Corvallis |
| | V | |
| | W | |
| | X | |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Robert Alvin Mohror

Application No./Patent No.: 09/490,666

Filed/Issue Date: January 24, 2000

Entitled: INBRED MAIZE LINE PH48V

Pioneer Hi-Bred International, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

1/12/2004
Date

LILA A. T. AKRAD

Typed or printed name



Signature

Attorney, Reg. No. 52,550

Title